

# Notice of Allowability

Application No.

09/707,211

Examiner

Stephan F. Willett

Applicant(s)

NEDDERMAN ET AL.

Art Unit

2142

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/31/06.
2. ☒ The allowed claim(s) is/are 1-20 and 61.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

ANDREW CALDWELL  
PATENT EXAMINER

**DETAILED ACTION**

***Examiner's Amendment***

1. Authorization for this Examiner's amendment was given in a telephonic interview with Mr. Kheit on 9/15/06.

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**Listing of Claims:**

1. (Currently amended) A session state method allowing session states to be maintained by sites that run on multiple, load-balanced servers by providing persistent updated session data that is validated in multiple session states distributable across one or more machines over a communications network, comprising:

recalling session information based on a current and corresponding session key upon traversal of a web form segment having a session state,

wherein session information is maintained for multiple web form segments and session states that are associated with the web form segments;

obtaining user provided information via the web form segment;

updating the session information based on the current and corresponding session key with session states for each of the web form segments;

validating the user provided information in each web form segment using the associated session state or states;

retrieving a web form segment for user correction using the associated session state or states where the user provided information was not validated;

obtaining user corrections for any provided information that was not validated; and

posting the user provided information to an information server if the user provided information is validated.

2. (Original) The method of claim 1, wherein the updated session information based on the current and corresponding session key is updated to a cookie.

3. (Original) The method of claim 1, wherein the updated session information based on the current and corresponding session key is updated to a cache.
4. (Original) The method of claim 1, wherein the updated session information based on the current and corresponding session key is updated to a session server.
5. (Original) The method of claim 1, wherein the updated session information based on the current and corresponding session key is updated to an information server.
6. (Currently amended) A session state system allowing session states to be maintained by sites that run on multiple, load-balanced servers by providing persistent updated session data that is validated in multiple session states distributable across one or more machines over a communications network, comprising:
  - means for recalling session information based on a current and corresponding session key upon traversal of a web form segment having a session state,
  - wherein session information is maintained for multiple web form segments and session states that are associated with the web form segments;
  - means for obtaining user provided information via the web form segment;
  - means for updating the session information based on the current and corresponding session key with session states for each of the web form segments;
  - means for validating the user provided information in each web form segment using the associated session state or states;
  - means for retrieving a web form segment for user correction using the associated session state or states where the user provided information was not validated;

means for obtaining user corrections for any provided information that was not validated; and

means for posting the user provided information to an information server if the user provided information is validated.

7. (Original) The system of claim 6, wherein the updated session information based on the current and corresponding session key is updated to a cookie.

8. (Original) The system of claim 6, wherein the updated session information based on the current and corresponding session key is updated to a cache.

9. (Original) The system of claim 6, wherein the updated session information based on the current and corresponding session key is updated to a session server.

10. (Original) The system of claim 6, wherein the updated session information based on the current and corresponding session key is updated to an information server.

11. (Currently amended) A computer session state program stored on a computer readable medium, the session state program to allow session states to be maintained by sites that run on multiple, load-balanced servers by providing persistent updated session data that is validated in multiple session states distributable across one or more machines over a communications network, comprising:

a module to recall session information based on a current and corresponding session key upon traversal of a web form segment having a session state,  
wherein session information is maintained for multiple web form segments and session states that are associated with the web form segments;

a module to obtain user provided information via the web form segment;

a module to update the session information based on the current and corresponding session key with session states for each of the web form segments;

a module to validate the user provided information in each web form segment using the associated session state or states;

a module to retrieve a web form segment for user correction using the associated session state or states where the user provided information was not validated;

a module to obtain user corrections for any provided information that was not validated; and

a module to post the user provided information to an information server if the user provided information is validated.

12. (Original) The medium of claim 11, wherein the updated session information based on the current and corresponding session key is updated to a cookie.

13. (Original) The medium of claim 11, wherein the updated session information based on the current and corresponding session key is updated to a cache.

14. (Original) The medium of claim 11, wherein the updated session information based on the current and corresponding session key is updated to a session server.

15. (Original) The medium of claim 11, wherein the updated session information based on the current and corresponding session key is updated to an information server.

16. (Currently amended) A session state apparatus to allow session states to be maintained by sites that run on multiple, load-balanced servers by providing

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persistent updated session data that is validated in multiple session states distributable across one or more machines over a communications network, comprising:

a processor;

a storage medium, communicatively connected to the processor; and

a program, stored in the storage medium, comprising:

a module to recall session information based on a current and corresponding session key upon traversal of a web form segment having a session state,

wherein session information is maintained for multiple web form segments and session states that are associated with the web form segments;

a module to obtain user provided information via the web form segment;

a module to update the session information based on the current and corresponding session key with session states for each of the web form segments;

a module to validate the user provided information in each web form segment using the associated session state or states;

a module to retrieve a web form segment for user correction using the associated session state or states where the user information was not validated;

a module to obtain user corrections for any provided information that was not validated;

a module to post the user provided information to an information server if the user provided information is validated.

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17. (Original) The apparatus of claim 16, wherein the updated session information based on the current and corresponding session key is updated to a cookie.

18. (Original) The apparatus of claim 16, wherein the updated session information based on the current and corresponding session key is updated to a cache.

19. (Original) The apparatus of claim 16, wherein the updated session information based on the current and corresponding session key is updated to a session server.

20. (Original) The apparatus of claim 16, wherein the updated session information based on the current and corresponding session key is updated to an information server.

(Cancelled) Claims 21-60.

61. (Currently amended) A method for facilitating persistent updated data management sessions validated in multiple session states, comprising:

recalling session information based on a current and corresponding session key upon traversal of a web form segment having a session state, wherein the session information includes a series of session updated data;

updating the session information based on the current and corresponding session key with session states for each of the web form segments;

obtaining user provided information via the web form segment;

validating the user provided information in each web form segment using the associated session state or states;



retrieving a web form segment for user correction using the associated session state or states where the user provided information was not validated;

obtaining user corrections for any provided information that was not validated; and

posting the user provided information to an information server if the user provided information is validated.

***Allowable Subject Matter***

1. Claims 1-20, 61 are allowed.
1. The following is an examiner's statement of reasons for allowance: independent claim(s) 1, 6, 11, 16 and 61, describe recalling session information based on current and corresponding sessions key for multiple web form segments, obtaining user input, updating session information, validating user provided information for all the web form segment sessions, retrieving a web form segment to correct information not validated, obtaining user corrections and posting the user provided information to an information server.
2. The closest prior art of record, Abramson, does not teach validating user input from multiple web form segments. Therefore, independent claims 1, 6, 11, 16 and 61 allowable over the prior art.
3. Claims 2-20 are allowed by the same rationale as well as the further limitations added by these dependent claims.
2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

**Conclusion**

1. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephan Willett whose telephone number is (571)272-3890. The examiner can normally be reached Monday through Friday from 8:00 AM to 6:00 PM.

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1. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell, can be reached on (571)272-3868. The fax phone number for the organization where this application or proceeding is assigned is (571)273-8300.
2. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571)272-2100.

sfw

September 15, 2006



ANDREW CALDWELL  
SENIOR PATENT EXAMINER